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Abstract

The invention relates to a piezoelectric actuator (1) comprising a stack of a plurality of individual piezoelectric actuator elements (2, 2', 2'') which are arranged between inner electrodes (3, 3', 3''). Said piezoelectric actuator comprises a first metallisation strip (4) and a second metallisation strip (5), the inner electrodes (3, 3', 3'') being respectively connected to the first or second 10 metallisation strips (4, 5) in an alternating manner. A first outer electrode (6) and a second outer electrode (7) are fixed to the first or the second metallisation strips (4, 5) in order to electrically contact the piezoelectric actuator (1). Said outer electrodes (6, 7) respectively comprise a 15 connection element (8, 9) for externally contacting the piezoelectric actuator (1), and at least one region which is embodied in such a way that it compensates length variations of the piezoelectric actuator (1) in the main oscillation direction (10) as a result of its design and arrangement. The 20 elastic deformation exclusively extends inside a plane which is parallel to the main oscillation direction (10).